

# PSTricks

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## **pst-gantt**

Gantt charts; v.0.2

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Documentation by  
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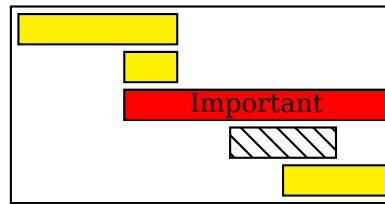
Package author(s):  
**Denis Girou**  
**Herbert Voß**

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pst-gantt loads by default the following packages: pst-node, pst-grad, pst-xkey, and, of course pstricks. All should be already part of your local T<sub>E</sub>X installation. If not, or in case of having older versions, go to <http://www.CTAN.org/> and load the newest version.

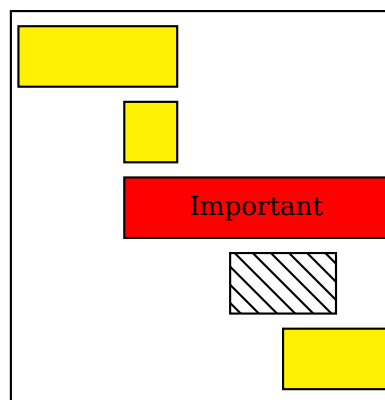
*If pstricks-add is loaded together with the package pst-func then the InsideArrow of the \psbezier macro doesn't work!*



```

1 \newsstyle{Important}{fillstyle=solid,fillcolor=red}
2 \newsstyle{NotImportant}{fillstyle=vlines}
3 \begin{PstGanttChart}{5}{7}
4 \PstGanttTask{0}{3}
5 \PstGanttTask{2}{1}
6 \PstGanttTask[TaskStyle=Important,
7   TaskInsideLabel=Important]{2}{5}
8 \PstGanttTask[TaskStyle=NotImportant]{4}{2}
9 \PstGanttTask{5}{2}
10 \end{PstGanttChart}

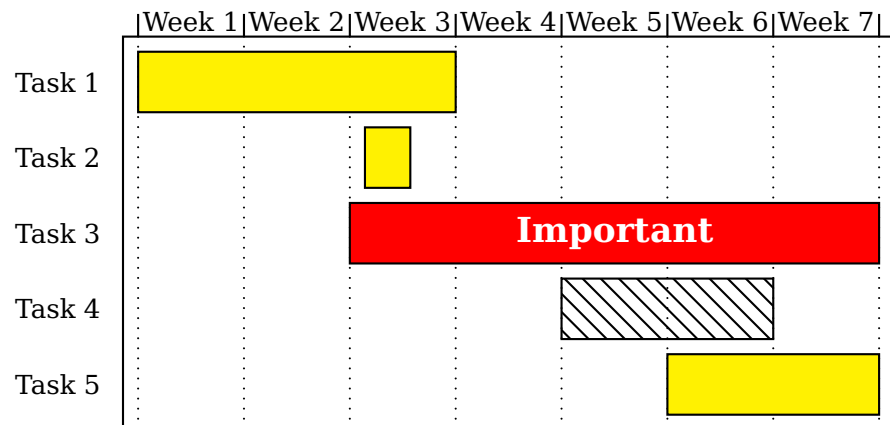
```



```

1 \newsstyle{Important}{fillstyle=solid,fillcolor=red}
2 \newsstyle{NotImportant}{fillstyle=vlines}
3 \begin{PstGanttChart}[yunit=2]{5}{7}
4 \PstGanttTask{0}{3}
5 \PstGanttTask{2}{1}
6 \PstGanttTask[TaskStyle=Important,%
7   TaskInsideLabel=Important]{2}{5}
8 \PstGanttTask[TaskStyle=NotImportant]{4}{2}
9 \PstGanttTask{5}{2}
10 \end{PstGanttChart}

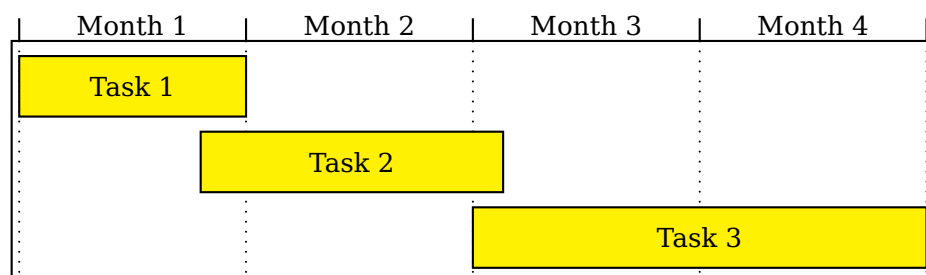
```



```

1 \newsstyle{Important}{fillstyle=solid,fillcolor=red}
2 \newsstyle{NotImportant}{fillstyle=vlines}
3 \begin{PstGanttChart}[unit=2,TaskOutsideLabelMaxSize=1,
4   ChartShowIntervals]{5}{7}
5 \PstGanttTask[TaskOutsideLabel={Task 1}]{0}{3}
6 \PstGanttTask[TaskOutsideLabel={Task 2},TaskUnitType=Day]
7   {15}{3} % 3 days starting at day 15
8 \PstGanttTask[TaskStyle=Important,TaskOutsideLabel={Task 3},
9   TaskInsideLabel={\Large\textcolor{white}{%
10    \textbf{Important}}}}]{2}{5}
11 \PstGanttTask[TaskStyle=NotImportant,
12   TaskOutsideLabel={Task 4}]{4}{2}
13 \PstGanttTask[TaskOutsideLabel={Task 5}]{5}{2}
14 \end{PstGanttChart}

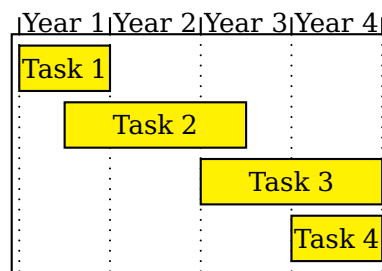
```



```

1 \begin{PstGanttChart}[yunit=2,ChartUnitIntervalName=Month,
2   TaskUnitIntervalValue=30,TaskUnitType=Month,
3   ChartShowIntervals]{3}{4}
4 \PstGanttTask[TaskInsideLabel={Task 1}]{0}{1}
5 \PstGanttTask[TaskInsideLabel={Task 2},TaskUnitType=Day]
6   {24}{40} % 40 days starting at day 24
7 \PstGanttTask[TaskInsideLabel={Task 3}]{2}{2}
8 \end{PstGanttChart}

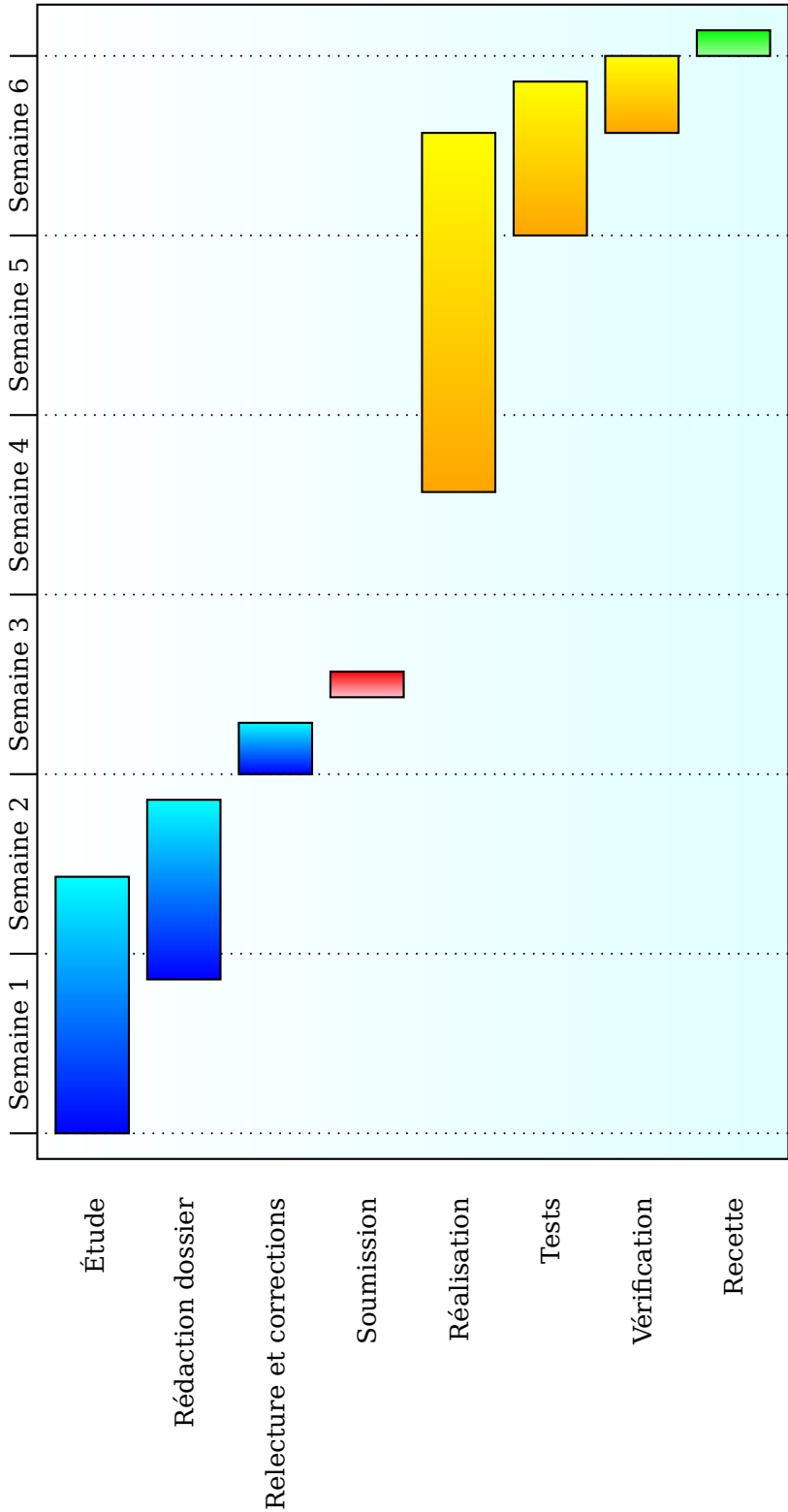
```



```

1 \begin{PstGanttChart}[yunit=1.5,ChartUnitIntervalName=Year,
2     ChartUnitBasicIntervalName=Month,
3     TaskUnitIntervalValue=12,TaskUnitType=Year,
4     ChartShowIntervals]{4}{4}
5   \PstGanttTask[TaskInsideLabel={Task 1}]{0}{1}
6   \PstGanttTask[TaskInsideLabel={Task 2},TaskUnitType=Month]
7       {6}{24} % 24 months starting at month 6
8   \PstGanttTask[TaskInsideLabel={Task 3}]{2}{2}
9   \PstGanttTask[TaskInsideLabel={Task 4}]{3}{1}
10 \end{PstGanttChart}

```



```

1 \definecolor{LightCyan} {rgb}{0.88,1.,1.}
2 \definecolor{Orange} {rgb}{1.,0.65,0.}
3 \definecolor{PaleGreen} {rgb}{0.6,0.98,0.6}
4 \definecolor{Pink} {rgb}{1.,0.75,0.8}
5 \psset{gradmidpoint=0,fillstyle=gradient,gradbegin=LightCyan,gradend=white}
6 \newpsstyle{TaskStyleA}{gradbegin=cyan,gradend=blue}
7 \newpsstyle{TaskStyleB}{gradbegin=red,gradend=Pink}
8 \newpsstyle{TaskStyleC}{gradbegin=yellow,gradend=Orange}
9 \newpsstyle{TaskStyleD}{gradbegin=green,gradend=PaleGreen}
10
11 \begin{PstGanttChart}[yunit=2.5,xunit=3.5,ChartUnitIntervalName=Semaine,
12     ChartUnitBasicIntervalName=Jour,TaskUnitType=Jour,
13     TaskOutsideLabelMaxSize=14,ChartShowIntervals]{8}{43}
14     \psset{gradangle=90,TaskStyle=TaskStyleA}
15     \PstGanttTask[TaskOutsideLabel={\Etude}]{0}{10}
16     \PstGanttTask[TaskOutsideLabel={R\'edaction dossier}]{6}{7}
17     \PstGanttTask[TaskOutsideLabel={Relecture et corrections}]{14}{2}
18     \PstGanttTask[TaskOutsideLabel={Soumission},TaskStyle=TaskStyleB]{17}{1}
19     \psset{TaskStyle=TaskStyleC}
20     \PstGanttTask[TaskOutsideLabel={R\'ealisation}]{25}{14}
21     \PstGanttTask[TaskOutsideLabel={Tests}]{35}{6}
22     \PstGanttTask[TaskOutsideLabel={V\'erification}]{39}{3}
23     \PstGanttTask[TaskOutsideLabel={Recette},TaskStyle=TaskStyleD]{42}{1}
24 \end{PstGanttChart}

```

## 1 List of all optional arguments for pst-gantt

Key	Type	Default
PstPicture	boolean	true
ChartShowIntervals	boolean	true
TaskStyle	ordinary	TaskStyleDefault
ChartUnitIntervalName	ordinary	Week
ChartUnitBasicIntervalName	ordinary	Day
TaskUnitIntervalValue	ordinary	7
TaskUnitType	ordinary	Week
TaskOutsideLabel	ordinary	
TaskInsideLabel	ordinary	
TaskOutsideLabelMaxSize	ordinary	0

## References

- [1] Denis Girou. Présentation de PSTricks. *Cahier GUTenberg*, 16:21–70, April 1994.
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- [6] Herbert Voß. Die mathematischen Funktionen von PostScript. *Die T<sub>E</sub>Xnische Komödie*, 1/02, March 2002.
- [7] Herbert Voß. *L<sup>A</sup>T<sub>E</sub>X in Mathematik und Naturwissenschaften*. Franzis-Verlag, Poing, 2006.
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- [9] Eric Weisstein. *Wolfram MathWorld*. <http://mathworld.wolfram.com>, 2007.
- [10] Timothy van Zandt. *PSTricks - PostScript macros for generic T<sub>E</sub>X*. <http://www.tug.org/application/PSTricks>, 1993.
- [11] Timothy van Zandt. *multido.tex - a loop macro, that supports fixed-point addition*. [CTAN:/graphics/pstricks/generic/multido.tex](http://CTAN:/graphics/pstricks/generic/multido.tex), 1997.
- [12] Timothy van Zandt. *pst-plot: Plotting two dimensional functions and data*. [CTAN:/graphics/pstricks/generic/pst-plot.tex](http://CTAN:/graphics/pstricks/generic/pst-plot.tex), 1999.
- [13] Timothy van Zandt and Denis Girou. Inside PSTricks. *TUGboat*, 15:239–246, September 1994.

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